

PATENT AND TRADEMARK OFFICE

APPLICANT(s): MARGRAFF et al.

SERIAL NO.: 10/600,811

ART UNIT: 1723

FILING DATE: 6/20/03

EXAMINER:

TITLE: ROTATING DEVICE FOR CENTRIFUGAL PARTITION  
CHROMATOGRAPH

ATTORNEY

DOCKET NO.: 886-011356-US (PAR)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

**(37 C.F.R. §1.97(b)(3))**

Sir:

This information disclosure statement is being filed before the mailing of a first Office Action on the merits.

The following information is being disclosed to the Patent and Trademark Office as information that may be material to the examination of the above-identified patent application.

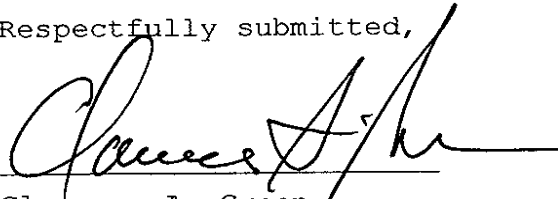
The above-identified patent application claims priority to French Patent Application No. 03 02769 filed March 6, 2003. Applicants' attorney encloses a copy of a French Search Report issued on the priority French Patent

Application No. 03 12769. The Search Report cited United States Patent Nos. US 4,857,187, US 4,968,428, French Patent Application No. FR 2791578 and "Centrifugal Partition Chromatography (CPC): Emerging Separation And Purification Technique For Lipid And Related Compounds", Wanasundara et al., INFORM, Vol. 13, No. 9, 2002, pgs. 726-730.

The filing of this Statement is not to be construed as a representation that a search has been made regarding the claimed invention (37 C.F.R. §1.97(g)) or that no other possible material information exists. In addition, the filing of this Information Disclosure Statement is not to be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability (37 C.F.R. §1.97(h)).

The Commissioner is hereby authorized to charge payment for any additional fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,



Clarence A. Green

30 Oct 2003

Date

Reg. No.: 24,622

PERMAN & GREEN, LLP

425 Post Road, Fairfield, CT 06430

(203) 259-1800

Customer No.: 2512

---

**CERTIFICATE OF MAILING**

I hereby certify that this Information Disclosure Statement, PTO Form-1449 and references are being deposited with the United States Postal Service on the date indicated below as first class mail in an envelope address to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: 10/30/03

Signature: Deborah J. Clark  
Person Making Deposit

| <b>INFORMATION DISCLOSURE<br/>CITATION FORM FOR<br/>PATENT APPLICATION<br/>(FORM PTO-1449)<br/>(Substitute)</b>   |   |            | Docket No.: 886-011356-US(PAR)<br><br>Applicant(s): MARGRAFF et al.<br><br>Filing Date: 6/20/03 |   | Serial No.: 10/600,811<br><br><br><br>Group: 1723 |             |
|---|---|------------|---|---|---|-------------|
| <b>U.S. PATENTS</b>   |   |            |   |   |   |             |
| Initials  | Patent Number   | Issue Date | Name  | Class   | Sub-class   | Filing date |
|   | 4,968,428   | 11/6/90    | Nunogaki  | 210   | 635   | 8/29/89     |
|   | 4,857,187   | 8/15/89    | Ito   | 210   | 198.2   | 9/28/87     |
| <b>U.S. PATENT PUBLICATIONS</b>   |   |            |   |   |   |             |
| Initials  | Publication No.   | Pub. Date  | Name  | Class   | Sub-class   | Filing Date |
|   |   |            |   |   |   |             |
| <b>FOREIGN PATENT DOCUMENTS</b>   |   |            |   |   |   |             |
| Initials  | Document Number   | Date       | Country   | Name  | Translation?<br>Yes/No/n/a                        |             |
|   | 2791578   | 10/6/00    | France  | S.E.A.B Societes<br>D'Etudes Et<br>D'Application Industrielle<br>De Brevets | no  |             |
| <b>OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)</b>   |   |            |   |   |   |             |
|   | "Centrifugal Partition Chromatography (CPC): Emerging Separation And Purification Technique For Lipid And Related Compounds", Wanasundara et al., INFORM, Vol. 13, No. 9, 2002, pgs. 726-730. |            |   |   |   |             |
|   |   |            |   |   |   |             |
|   |   |            |   |   |   |             |
| Examiner's Signature:   |   |            |   | Date Considered:  |   |             |
| Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.<br>Include a copy of this citation form with your next correspondence to the Applicant(s). |   |            |   |   |   |             |



# **RAPPORT DE RECHERCHE PRÉLIMINAIRE**

établi sur la base des dernières revendications  
déposées avant le commencement de la recherche

N° d'enregistrement  
national

FA 631198  
FR 0302769

| DOCUMENTS CONSIDÉRÉS COMME PERTINENTS  |  | Revendication(s)<br>concernée(s)  | Classement attribué<br>à l'invention par l'INPI                  |
|--|--|---|--|
| Catégorie  | Citation du document avec indication, en cas de besoin,<br>des parties pertinentes   |   |  |
| A  | US 4 857 187 A (ITO YOICHIRO)<br>15 août 1989 (1989-08-15)<br>* colonne 4, ligne 58-63; figure 8 *   | 1-19  | G01N30/42<br>B01D15/08<br>G01N30/42<br>G01N30/38                 |
| A  | FR 2 791 578 A (S E A B SOCIETES D ETUDES<br>ET D) 6 octobre 2000 (2000-10-06)<br>* le document en entier *  | 1-19  |  |
| A  | WANASUNDARA U, FEDEC P: "Centrifugal<br>partition chromatography (CPC) : emerging<br>separation and purification technique for<br>lipid and related compounds"<br>INFORM, 'en ligne!<br>vol. 13, no. 9, 2002, pages 726-730,<br>XP002248228<br>Extrait de l'Internet:<br><URL:http://www.pos.ca/common/pdf/publicat<br>ions/cpc.pdf> 'extrait le 2003-07-17!<br>* page 730, colonne de gauche, ligne 9-17<br>* | 1-19  |  |
| A, D   | US 4 968 428 A (NUNOGAKI YOSHIKI)<br>6 novembre 1990 (1990-11-06)<br>* le document en entier *   | 1-19  | DOMAINES TECHNIQUES<br>RECHERCHÉS (Int.CL.7)<br><br>G01N<br>B01D |
| Date d'achèvement de la recherche  |  | Examineur   |  |
| 18 juillet 2003  |  | Müller, T   |  |
| CATÉGORIE DES DOCUMENTS CITÉS  |  | T : théorie ou principe à la base de l'invention<br>E : document de brevet bénéficiant d'une date antérieure<br>à la date de dépôt et qui n'a été publié qu'à cette date<br>de dépôt ou qu'à une date postérieure.<br>D : cité dans la demande<br>L : cité pour d'autres raisons<br>& : membre de la même famille, document correspondant |  |
| X : particulièrement pertinent à lui seul<br>Y : particulièrement pertinent en combinaison avec un<br>autre document de la même catégorie<br>A : arrière-plan technologique<br>O : divulgation non-écrite<br>P : document intercalaire |  |   |  |

**ANNEXE AU RAPPORT DE RECHERCHE PRÉLIMINAIRE****RELATIF A LA DEMANDE DE BREVET FRANÇAIS NO. FR 0302769 FA 631198**

La présente annexe indique les membres de la famille de brevets relatifs aux documents brevets cités dans le rapport de recherche préliminaire visé ci-dessus.

Les dits membres sont contenus au fichier informatique de l'Office européen des brevets à la date du 18-07-2003

Les renseignements fournis sont donnés à titre indicatif et n'engagent pas la responsabilité de l'Office européen des brevets, ni de l'Administration française

| Document brevet cité<br>au rapport de recherche |   | Date de<br>publication | Membre(s) de la<br>famille de brevet(s) |            | Date de<br>publication |
|---|---|------------------------|---|------------|------------------------|
| US 4857187                                      | A | 15-08-1989             | AUCUN                                   |            |                        |
| FR 2791578                                      | A | 06-10-2000             | FR                                      | 2791578 A1 | 06-10-2000             |
|   |   |                        | AU                                      | 3664800 A  | 16-10-2000             |
|   |   |                        | CA                                      | 2368514 A1 | 05-10-2000             |
|   |   |                        | EP                                      | 1166100 A1 | 02-01-2002             |
|   |   |                        | WO                                      | 0058722 A1 | 05-10-2000             |
|   |   |                        | US                                      | 6537452 B1 | 25-03-2003             |
| US 4968428                                      | A | 06-11-1990             | US                                      | 4877523 A  | 31-10-1989             |